

**Amendments to the Specification:**

**Please replace the fourth paragraph on page 1 starting at line 16 with the following amended paragraph:**

It is known, for example, from document ~~AP-0-743-526~~ EP-0743526, that a sensor can be integrated into a detachable connector, with said connector being designed for placement in a housing created in a cap associated with the bearing.

**Please replace the Abstract with the following amended Abstract:**

This invention concerns a system for the attachment of an information sensor opposite to, and at an air gap's distance from, the coder of a bearing, with ~~[[said]]~~ the system including a cap to be associated with a ring that at least partly covers the coder, where, in combination, the cap includes at least one device for attachment of the sensor to the internal surface of ~~[[said]]~~ the cap and one device for electrical connection of ~~[[said]]~~ the sensor. The invention also concerns a sensor designed to be attached to such a system, an ensemble formed by the attachment system and the associated sensor, as well as a bearing equipped with such an ensemble.